is preparing the feasibility report of the link which is scheduled for completion by December, 2005. The realistic cost of the scheme will be known only after completion of the detailed project report (DPR). The Government envisages a comprehensive assessment of the feasibility of linking of the rivers of the country in a fully consultative manner. The implementation of these link proposals is dependent upon the comperehensive assessment and the agreements reached amongst the concerned States/ neighbouring countries.

**Completion of Irrigation schemes in Tamil Nadu**

2240. SHRI C. PERUMAL: Will the Minister of WATER RESOURCES be pleased to state:

(a) whether a fast track programme for completion of major and medium irrigation schemes with full Central assistance was introduced in the year 2002; and

(b) if so, the number of schemes in the country, particularly in Tamil Nadu out of which how many of them have been completed, so far?

THE MINISTER OF STATE IN THE MINISTRY OF WATER RESOURCES (SHRI JAI PRAKASH NARAYANA YADAV): (a) and (b) The Fast Track Programme for completion of major & medium irrigation projects under Accelerated Irrigation Benefits Programme was started in February, 2002. 32 major/medium irrigation projects/project components of various States have been included under this programme. No irrigation project of Tamil Nadu has been included under Fast Track Programme. As reported by the State Government, 5 projects/project components included under Fast Track Programme have, so far, been completed.

**Master Plan to control flood**

2241. SHRI A. VIJAYARAGHAVAN: Will the Minister of WATER RESOURCES be pleased to state:

(a) whether there is any master plan to control flood in major rivers;

(b) if so, the details including fund spent to check bank erosion, drainage conjection, irrigation and navigation, harness hydropower etc. for the last three years, year-wise State-wise and category-wise;

(c) if so, the details of rivers that cause destruction and loss for last three years, year-wise, State -wise and category-wise;

(d) whether any proposal was submitted by State Governments for flood control and watershed management of rivers; and

(e) if so, the details including fund sought, sanctioned and utilized for last three years, year-wise, State-wise and category-wise?

THE MINISTER OF STATE IN THE MINISTRY OF WATER RESOURCES (SHRI JAI PRAKASH NARAYANA YADAV): (a) and (b) Yes Sir. The Ganga Flood Control Commission has prepared comprehensive plans for flood management for all 23 river systems of Ganga basin. Similarly, the Brahmaputra Board has also prepared master plans for the Brahmaputra & Barak basins and sub basins there under. These plans were sent to the concerned State Governments for follow up action. In addition, the Draft Master Plan of Ghaggar Basin prepared by Central Water Commission was also circulated among the basin States. Implementation of the schemes included in the Master Plans comes within the purview of the State Governments.

(c) Most of flood prone areas of the country fall in the Ganga and Brahmaputra basins, Lower (deltaic) reaches of Mahanadi, Krishna & Godavari. Narmada & Tapt are also affected by floods.

The damage statistics for all the States category wise for the last three years & current year are given in the Statement I, II, III and IV (See below).

(d) (and) (e) As per available information, out of 223 schemes received in Central Water Commission & Ganga Flood Control Commission during the last two years for clearance, 83 schemes have been cleared. Out of remaining 140 schemes, observations on 65 schemes have been sent to the State Governments, 42 schemes have been deleted or returned to the State Governments and remaining are at various stages of examination.

Further, the Central assistance provided by the Ministry of Water Resources to the State Governments under the Centrally Sponsored Schemes to take up critical flood management & erosion works is given as under:

(Rs. in lakh)

| Sl. No | Name of State | Funds provided 2002-03 | 2003-04 | 2004-05 (upto July 04) |
|---|---|---|---|---|
| 1. | Andhra Pradesh | — | — | 150 |
| 2. | Bihar | 1980 | 2187 | 730 | 733 |
| 3. | Uttar Pradesh | 689 | 629 | 350 | 895 |
| 4. | Uttaranchal | — | 96 | — | — |
| 5, | West Bengal | 1138 | 560 | 518 | — |

In addition, Brahmaputra Board has also taken up various schemes with full central funding against which the following expenditure has been incurred:

(Rs. in lakh)

| Sl. No | Name of scheme | Year-wise expenditure 2001-02 | 2002-03 | 2003-04 | 2004-05 (upto July 04) |
|---|---|---|---|---|---|
| 1. | Harang Drainage Scheme | 291 | 576 | 714 | 111 |
| 2. | Pagladiya Dam Project | 1298 | 376 | 587 | 138 |
| 3. | Avulsion of Brahmaputra at Dholla Hatighuli | — | 888 | 300 | 301 |
| 4. | Protection of Majuli Island (Immediate Measures) | — | - | - | 369 |

*Stafrment-I*

*Statement showing damage due to Floods/Heavy Rains during 2001*

| Sl. Nos. | Name of State | Area affected in m. ha. | Population affected in million | Damage to Crops Area in m. ha. | Damage to Crops Value in Rs. crore | Damage to Houses Nos. | Cattla Human Value in Rs. Crore | Damage Total damages lost Nos. | lost live stock | to public utilities in Rs. Crore | Crops, Houses & Public utilities in Rs. Crores (Col. 6+8+11) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1. | Assam | 0.086 | 0.194 | 0.013 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2. | Bihar | 1.015 | 8292 | 0.532 | 246.290 | 169:22 | 166.283 | 524 | 205 | 176.022 | 588.595 |
| 3. | Chhattisgarh | 0.089 | 0.410 | 0.089 | 50.740 | 12353 | 12.680 | 1580 | 36 | 187.950 | 231.370 |
| 4. | Gujarat | 0 | 0 | 0 | 0 | 328 | 0.480 | 381 | 113 | 0 | 0.480 |
| 5. | Goa | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 6. | Haryana | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 7. | Himachal Pradesh | 0.008 | 0.405 | 0.006 | 20.050 | 2683 | 4.220 | 915 | 45 | 113.980 | 138.250 |
| 8. | Mizoram | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 9. | Nagaland | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 10. | Orissa | 0.900 | 9678 | 0.900 | 66740 | 212296 | 56.360 | 18149 | 99 | 1319880 | 1442.980 |
| 11. | Punjab | 0.031 | 0 | 0.031 | 3.49 | 21 | 0.015 | 107 | 14 | 0.085 | 3.590 |
| 12. | Rajasthan | 0003 | 0.102 | 0.001 | 1.644 | 16082 | 106.972 | 2999 | 21 | 33.491 | 142.107 |
| 13. | Uttar Pradesh | 0.463 | 2.715 | 0.290 | 0 | 44244 | 0 | 312 | 270 | 0 | 0 |
| 14. | West Bengal | 0.413 | 0.648 | 0.049 | 57.780 | 34635 | 10.730 | 58 | 6 | 8.93 | 77.440 |
| 15. | Chandigarh | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 16. | Dadra & Nagar Haveli | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 17. | Lakshadweep | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 18. | Pondicherry | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |

0 - Not reported

## Statement-II

*Statement showing Pamage due to Floods/Heavy Rains during 2002*

| Sl. Nos. | Name of State | Area affected in m. ha. | Population affected in million | Damage Area in m. ha. in | Damage to Crops Value Rs. Crore | Damage to Houses Nos. | Damage to Houses value in Rs. Crore | Cattle lost Nos. | Human live lost Nos. | Damage to public utilities in Rs. Crore | Total damages Crops, Houses & Public utilities in Rs. Crores (Col. 6+8+11) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1. | Arunaehal Pradesh | 0.037 | 0.020 | 0.037 | 51. 938 | 77 | 0.073 | 1089 | 15 | 8.387 | 80.398 |
| 2. | Assam | 0.837 | 5.708 | 0.330 | 0 | 19827 | 0 | 482 | 41 | 0 | 0 |
| 3. | Bihar | 1.845 | 15.818 | 0.810 | 487.443 | 396096 | 452.159 | 1405 | 451 | 296.210 | 1215.812 |
| 4. | Maharashtra | 0 | 0 | 0 | 0 | 6466 | 0 | 615 | 94 | 149.230 | 149.230 |
| 5. | Meghalaya | 0.011 | 0.11 | 0.011 | 0.13 | 1415 | 0.602 | | | 4.124 | 4.856 |
| 6. | Uttar Pradesh | 0.11 | 0.380 | 0.052 | 0 | 3462 | 0 | 36 | 33 | 0 | 0 |
| 7. | West Bengal | 0026 | 0.375 | 0.026 | 27.616 | 18355 | 2.335 | 20 | 6 | 28.539 | 58.490 |

0: Not Reported Neg. Negiligble

## *Statement-III*

### *Statement showing Damage due to Floods/Heavy Rains during 2003*

| Sl. No*. | Name of State | Area affected in m. ha. | Population affected in million | Damage to Crops Area in m. ha. | Value in Rs. Crore | Damage to Houses Nos | Cattle Valuelost in Rs. CroreNos. | Human live lost Nos. | Damage to public utilities in Rs. Crore | Total damages Crops, Houses & Public utilities in Rs. Crores (Col. 6+8+11) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1 | Andhra Pradesh | 0.287 | 0.013 | 0.287 | 575 100 | 17468 | 1.885 | 1970 | 52 | 188.273 | 765.258 |
| 2 | Arunachal Pradesh | 0 | 0 | 0 | 0 | 4 | 0.200 | 0 | 0 | 2.286 | 2.486 |
| 3 | Assam | 0.932 | 5.652 | 0.295 | 147.000 | 74638 | 18.692 | 4319 | 52 | 181.402 | 347.094 |
| 4 | Bihar | 1.820 | 8161 | 0.792 | 9.441 | 84424 | 37 567 | 131 | 297 | 11.919 | 58.927 |
| 5 | Chhattisgarh | 0.074 | 0.684 | 0.074 | 45.091 | 78718 | 42.788 | 2/93 | 30 | 110.657 | 198.536 |
| 6 | Haryana | 0.000 | 0.000 | 0.000 | 0.000 | 0000 | 0.000 | 0.000 | 0000 | 0.000 | 0.000 |
| 7 | Himachal Pradesh | 0,033 | 0.303 | 0.016 | 17.790 | 2924 | 60 068 | 452 | 89 | 87.964 | 165.822 |
| 8 | Karnataka | 0.007 | 0 | 0.007 | 0 | 4183 | 1.043 | 23 | 29 | 21.569 | 22.612 |
| 9 | Madhya Pradesh | 0.126 | 1.436 | 0.126 | 22.717 | 31536 | 7.367 | 214 | 18 | 51.600 | 81.684 |
| 10 | Maharashtra | 0.039 | 0.020 | 0.039 | 19.069 | 18661 | 13.292 | 2710 | 16 | 13.750 | 46.111 |
| 11 | Meghalaya | 0.002 | 0.090 | 0.002 | 0.230 | 810 | 0.808 | 367 | 1 | 0.064 | 1.102 |
| 12 | Muoram | 0000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 13 | Nagaland | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | O.OO0 |
| 14 | Orissa | 0.478 | 3.565 | 0.478 | 0000 | 144716 | 0.000 | 2270 | 60 | 0000 | 0.000 |
| 15 | Punjab | 0.000 | 0.000 | 0,000 | 0.000 | 0000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 16 | Rajasthan | 0 | 0.186 | Neg. | 0.320 | 7358 | 5228.22 | 64 | 29 | 30.800 | 31.120 |

| 1 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|
| 17 Sikkim | 0.0004 | 0.086 | 0.000 | 0000 | 0.000 | 0.000 | 0.000 | 0.000 | 5.350 | 5.350 |
| 18 Tamilnadu | 0 | 0 | 0 | 0 | 647 | 0.079 | 134 | 75 | 0.064 | 0.143 |
| 19 U.P. | 2.355 | 13.476 | 1286 | 448574 | 361323 | 99.859 | 3184 | '953 | 127.444 | 875.877 |
| 20 Uttaranchal | 0 | 0.003 | 0 | 0 | 499 | 0 | 318 | 20 | 0 | NR |
| 21 West Bengal | 0.015 | 0.152 | 0.004 | 0 | 5911 | 0 | 22 | 17 | 0 | NR |
| 22 Delhi | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NR |
| 23 Chandigarh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NR |
| 24 Lakshadweep | 0.000 | 0.000 | 0000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 25 D. & N.Haveli | 0.049 | 0.220 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NR |

NR: 0 Neg. : Negligible*F/gure *under verification (Not included in total)*

*Source*:— as per the reports received in CWC from State Revenue Authorities.

## *Statement-IV*

### *Statement showing damage due to floods/heavy rains during 2004 (Information upto 13.08.2004)*

| Sl. Nos. | Name of State | Area affected in m.ha. | Population affected in million | Damate to Crops Area in m.ha. | Value in Rs.Crore | Damage to Houses Nos. | Value in Rs.Crore | Settle lost Nos. | Human live lost Nos. | Damage to public utilities in Rs.Crore | Total damages Crops, Houses & Public utilities in Cores (Col.6+8+11) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1 | Andhra Pradesh | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 |
| 2 | Arunachal Pradesh | 0 | 0.129 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| 3 | Assam | 2.851 | 12.298 | 1.258 | NR | 589064 | NR | NR | 251 | NR | 1915.67 |
| 4 | Bihar | 4 986 | 21.251 | 1.395 | 418598 | 859910 | 470.456 | 2497 | 701 | 572.065 | 1551.119 |
| 5 | Goa | 0 | 0 | 0 | 0 | 52 | 0 | 0 | 1 | 0 | 0 |
| 6 | Gujarat | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 165 | 0.350 | 0.350 |
| 7 | Himachal Pradesh | Neg. | 0021 | Neg. | 0.840 | 290 | 0.608 | 44 | 4 | 29.098 | 30.346 |
| 0 | Maharashtra | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 |
| 9 | Meghalaya | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 10 | Mizoram | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 11 | Punjab | Neg. | 0 | Neg | 0 | 771 | 0 | 6 | 13 | 0 | 0 |
| 12 | West Bengal | 0.128 | 4834 | 0.128 | 15.557 | 300515 | 115.842 | 2772 | 152 | 97.983 | 229.382 |
| 13 | D & N. Haveli | 0.000 | 0000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

NR: Not Reported Neg. : Negligble

Source:— as per the reports received in CWC from State Revenue Authorties.